

STATE OF CALIFORNIA  
Base Year Modification Request Certification  
Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board  
Office of Local Assistance  
1001 I Street, (MS-25)  
PO Box 4025  
Sacramento, CA 95812-4025

DEC 01 2001

**General Instructions:**

Please select the **ONE** choice below that best explains your request to the Board.

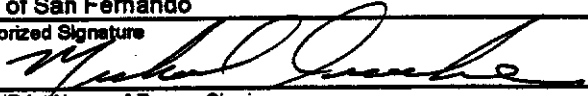
- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

**Section I: Jurisdiction Information and Certification**

*All respondents must complete this section.*

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
City of San Fernando		Los Angeles	
Authorized Signature 		Title Director of Public Works	
Type/Print Name of Person Signing		Date	Phone ( ) Include Area Code
Mike Drake			(818) 898-1242
Person Completing This Form (please print or type)		Title	
Alyson F. Burleigh		consultant	
Affiliation:	Aurora Associates		
Mailing Address	City	State	ZIP Code
1188 Harrison Avenue	Salt Lake City	Utah	84105
E-Mail Address <a href="mailto:auroraone@utah-inter.net">auroraone@utah-inter.net</a>			

**Section II: Information for New Generation-Based Study for Existing or New Base Year**

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

*Note: New base years must be representative of a jurisdiction's disposal and diversion.*

1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	1998

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

During the new base year, 1998, no unusual disposal or diversion activities occurred in the City.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	a. -6 %	Diversion rate calculated using new generation-based study	b. 40 %
For existing base year pounds/person/day based on generation	10.1	For new generation based study pounds/person/day based on generation	16.3
Residential generation 42 %	Non-Residential generation 58 %	Residential generation 16% %	Non-Residential generation 84% %
Population existing generation-based study 22,580		Population new generation-based study 24,150	

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

The original base year waste generation study (1990) omitted significant tonnages associated with both disposal and diversion activities. With the new base year waste generation study prepared for 1998, the City has attempted to correct the omissions from the original study. However, the 1998 study was not able to quantify all of the diversion activities due to cost constraints. The City had prepared and submitted a new base year study prior to the moratorium and was not able to conduct the additional surveys required to employ the revised extrapolation method, which is required to estimate diversion from the entire business population. The City, its franchised residential and permitted commercial waste haulers, and businesses have implemented curbside recycling and green waste programs, including curbside used oil collection; commercial and industrial source separation and recycling programs; grasscycling; commercial and industrial reuse and waste reduction programs; and, material recovery facility recycling. Additionally, landfill salvage activities also divert waste from disposal.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

In addition to the explanation provided in item #5 above, since the original base year, the City, its franchised residential and permitted commercial waste haulers, and businesses have implemented a backyard composting program; residential curbside recycling and green waste/mulching programs, including curbside used oil collection; separate collection of white goods; City mulching of tree trimmings; reuse of concrete and asphalt for road base; commercial and industrial source separation and recycling programs; commercial and industrial reuse and waste reduction programs; and, public education programs. Recently, waste from the City has been used as alternative daily cover.

Agenda Item  
Attachment 2a

8. In the table below, list the summarized emission activities, and diversion data records that support your claim and are available for Board audit. Note: The Board expects the *jurisdictions* to be able to provide all back-up documentation, if requested. Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all additional calculations). If any diversion is from restricted wastes, agricultural wastes, hort solids (e.g., concrete, asphalt, dirt), white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment A all copies of survey forms.

**Note:** The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Inventory Number	Inventory Description	Quantity	Unit Cost (\$)	Total Value (\$)	Notes
861	Clothing and household goods	425 / tons/year; Big Picture Evaluation Checklist for Field Review - CIVMAB Draft (version 5/20/09)		There are two thrift stores in the City of San Fernando, a Goodwill Industries store and a Salvation Army store.	
115	Clothing and household goods	Big Picture Evaluation Checklist for Field Review - CIVMAB Draft (version 5/20/09)		City garage sale permit records for 1999; City Hall.	
		</			

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9. Specific Non-Residential Sector Waste Audits—Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.  
(Table will perform all addition calculations).

Generator Name	Rank	Waste Type (e.g., paper, food, grease, paint) (List activities in one line)	Waste Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Diversion Tons (Calculated in Section B)	Survey Method (Phone, (P) Direct, (D) Combined, (C) Other, (O)
Concessions & Other/Venue	57	Recycles OCC, reuses pallets and reuses food (donation and rendering)	868	1092		1960.83	2.7%	O
Variety Store	29	Recycles OCC, reuses pallets and recycles computer paper	584	1218		1802.1	2.5%	O
Refurbishers	61	Recycles OCC, reuses OCC, reuses pallets, recycles paper and reuses plastic	1244	292		1536.02	2.1%	O
Beverage Distributors	2	Recycles primarily plastic and some aluminum cans and OCC, replaced disposable OCC containers with durable (reusable) containers and recycles paper	1186	12		1208.29	1.7%	O
Frozen Foods	45	Recycles OCC, reuses pallets and reuses food (animal feed)	15	824		839.01	1.2%	O, P
Scientific Equipment	59	Reuses OCC, replaced OCC containers with durable (reusable) containers, reuses pallets, recycles plastic and toner cartridges	706	0		706.04	1.0%	
Business Services	65	Recycles OCC, reuses pallets, recycles pallets and recycles paper	260	200		460.31	0.6%	O
Pharmaceutical Prope	51	Recycles OCC, reuses pallets, engages in paper reduction activities and recycles scrap metals	79	291		369.19	0.5%	O
Lumber/Retail	91	Recycles OCC and paper, recycles pallets, sends wood scrap for mulching and recycles scrap metals	0	369		369.04	0.5%	O
Grocery Store	38	Recycles OCC, reuses food (donation), and recycles meat scraps and grease	9	282		291.25	0.4%	O
<b>Total</b>			<b>4562.2</b>	<b>4672.33</b>		<b>9234.53</b>	<b>13.2%</b>	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.  
Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

Please s acted.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids	Recycled at Permitted Landfills	1994	8492
Inert Solids	City Street Contractors - Asphalt Reuse	1998	398
Inert Solids	City Street Contractors - Asphalt, Concrete and Dirt Recycling	1998	895
Inert Solids	City Yard - Asphalt Reuse	1998	300
Inert Solids	City Yard - Concrete Recycling	1998	757
Scrap Metal	City Yard - Scrap Metal Recycling	1998	67

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

⊙ How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).

⊙ That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.

⊙ That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

(Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Type		
Pull Down for Waste Type		
Pull Down for Waste Type		
Pull Down for Waste Type		
Pull Down for Waste Type		
Pull Down for Waste Type		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. Note : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Type				
Pull Down for Waste Type				
Pull Down for Waste Type				
Pull Down for Waste Type				
Pull Down for Waste Type				
Pull Down for Waste Type				

## CONVERSION FACTORS AND SOURCES

	Item	Conversion Factor	Source
A	Pallets	40 lbs./pallet	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
B	Grasscycling	8T/acre/year	Hartin, Janet, and J. Michael Henry, <i>Reusing Turfgrass Clippings to Improve Turfgrass Health and Performance</i> , University of California Cooperative Extension, ND.
C	Metal Scrap	906 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
D	Aluminum cans, uncrushed	0.17 lbs./gallon	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
E	Hanger, adult	0.14 lbs. each	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
F	Film Plastic/Mixed, loose	22.55 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
G	Plastic, whole uncompacted PET	35 lbs./cu. yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
H	Sand, loose	2,441.25 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
I	Double-size bed	166.67 lbs. each	University of California at Los Angeles
J	Old Corrugated Cardboard (OCC) Medium-Sized Boxes	2.2 lbs./box	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
K	Old Corrugated Cardboard (OCC) Large-Sized Boxes	4.0 lbs./box	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
L	OCC, compacted	400 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
M	Baled OCC	900 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
N	OCC, flattened boxes, loose	50.08 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
O	OCC, stacked	50.00 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
P	Toner Cartridges	2.5 lbs./cartridge	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
Q	Typewriter/Cash Register Ink Cartridge	0.5 lbs. each	Estimated weight.
R	Office Paper	0.77 lbs./gallon	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
S	White Ledger Paper	1 sheet=0.01 lbs.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
T	White Ledger #20 Paper	1 ream=5.0 lbs.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
U	Mixed Paper, loose	363.5 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
V	Fats, solid/liquid	7.45 lbs./gallon	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.



**CONVERSION FACTORS AND SOURCES**  
(Continued)

W	Produce Waste, mixed loose	1,443 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
X	Old Corrugated Cardboard(OCC) Small-Sized Boxes	1.1 lbs./box	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
Y	Aluminum Scrap, whole	175 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
Z	Shredded Paper	8 lbs./33 gallons	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
AA	Wood Scrap, loose	329.5 lbs./cu.yd.	CIWMB, <i>Conducting a Diversion Study – A Guide for California Jurisdictions</i> , April 2001.
EW	Estimated Weight	N/A	Provided by company.
AW	Actual Weight	N/A	Provided by company.

**Agenda Item  
Attachment 2a**

[illegible]

Agenda Item  
Attachment 2a

Does not include restricted waste types—acrop materials and bricks.